Inf Inaugural Dissertations One the

Modus Operandi

Medicines.

By William Hamlen

Paped March 12 1823

In the when range of Medical Science, then is no subject on which a guestion discussion of such section of such medicines.

While one class of physicians con tend that the remedial powers of the differ ent certicles of the Materia Medica may all be explained on the principle of merous afor ciation, denominated in the familiar langue ge of the day Sympathy, or consent of paits; another so. lef respectable not content with the doction of Sympathy alone declave that the principle of absorption is alike surfay for a full and clear illustration of the subject. The advocates of the sympathetic doctions alledge, that all medicines, in the first place produce a local impufion, which being Communicated by some, as yet, mysterious agency, to more distant parts thrown them into actions consponding with the nature

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of the article, and in these comote parts, the entire effects of the medicines administrate are frequently displayed

The second clap of

physicians admit to a limited extent, the sym puthetic doctrine, but contind that the operation of medicines is principally effected by their being absorbed into the cinculatory system, and by that system canned to the several party on which their respective actions are developed To the first of these doctring of the sympathine exclusively Jane inclined, not left from my own reflections on the subject than from the Consideration, that the Rofefer of the Institutes and practice of Undiene in the University of Demusylvania, is deservedly canked as the leading advocate of the doctrine

he considering this subject, I will not be foreign to the object of our enguing Oursoily to notice the processes of digestion



and afimilation. The food destined for the sufper at and noninshment of the body, being masterder and mixed with the saliva, is carried into the Stomuck these themeets with a secretion from the mall blood refels of the stomack, called the gastice fluid, which converts it into one homo geneous substance desconcinated Chyme this being carried into the duodenum unites with the bile on a pracuatio juice which are deposited in this intistine by their respect tive glunds thence the chymon map paper on into the male interting when the lacted separate and take up the Chyle, which is carried by the absorbent system note the circu lation while the excumentation matter is finally climenated from the body.

heen the curies into the descripting flaits is coidently bearonated into pure blood and continue to sources and sustain the various

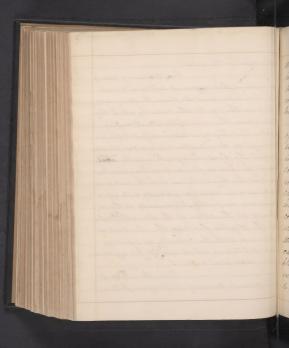
functions of the system.

Our anatomical research

is teach in that medicinal Substances to reach the Circulation must also passe the same route because there are no other means by which they can allain the same distinction. It ourfairly Collows that they must also be subject to the same Change of decomposition and new combination which the food undergoy because the andly sis of the human fluids, have long since longs in that the chyle obtained from the most discuse aliments never exhibite any wariety in its appear ance and composition bedependently of they are formity of the retion of the Stomach the whole of the digertine function, the absorbents are instruct with the capacity of regesting all substances which me of an offenew and decelorioner mature.

From there laws of

the animal bronomy it therefore, follows,



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in executial source, however I very tomedial situa. depends whom 11. En sien property the delice bearing that taken this profesta to dutinged, Swinderly o soon is inclining one a and but to comment questions " it ists of soing intern in by the at social ryslem her demedial Character cares. This required continue is your roughly to a progression enous gulien of the affect con se wie only give in chole a homogenous fluid but wenthe stood, Uself in very weathen o' the sen west in a 2 relies medicines seconding the gost L'amous advoints or the Hoden.



of absorption

the meight of widene in supp ort of the position is toenchelming Si've com sidered as un established fact by the consider and Leumed Fordyce in her sno wheather treation in febrite disease, and Lind who has weitten so ably on the clinian of hot clome ale develle particularly on the homogeneous mature of the blood, in the executed breakers in Sourcey, in which he clearly shows has when the isely of a scorbution patient is to appearance little left, there a map of the sein de desires

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But heaving and Minimore article for & the Just in what well continued and the cusine on for form my of the neive comment cation. the must concede houses to the come miller , A Madiar and The act for in distorment the lover of the Hood but this wast until the offert any be request to morning malegine a partice the confecution co and the sid Commentances under which her rebello there places the Bland to the last place we with town from the muf of cher total the as as & chang immed som the in longer specialing of seperater into serum ... Conquinos to mple which may be ... Hend a the incipient state of dicom position and it is not until after this Hoge that There recenting principles are



A source of great were in proceeding room who happy our attention Constants Historicality openate Extending the very matter of the second on the very thouse of the second low, when there is the second low.

The transport play starting them there of Champing that we should suffer our there of Champing the text we be altered to the principles to Champing to the text winds to the transport of the ortions

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Then consideration counts in a replace, without at a recomm for there will be fact which have have supported the destinance are originally determined by Certain active in the seculiar con account in the seculiar

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introduction of madicinal substances into the blood refiels of living community and of full on dence and enters confidence could be given to the reports of some of the enpermentalist l'elle more would be required to contine and establish the humoral doctrines

doubt but that medicines apreated on the system by being absorbed into the cerculation, I hum precisely the Stone effects as result from their internal administration might be obtained by injecting ests a view a small quantity of any given restricter

The fallacy however while where most experiments is considerably highlined by their being performed on bring animal and we know no circumstances under which Callacious imprefiers would be more likely Is occur than in having the effects of mide Cines on lastured mangled, and afflicted



The animal functions it must be admited, we greatly under the influence of Corporal suffering les have seen this deliterous effects of Opium sugarited by Score Cashy ution und we shall encleavant to show that most of the effects which have been attributed to sujected medicines may be furtly worised to the vidence with which they were administered The hine seen Copious ducharges of Laces and wine from cats preduced from great alaming and have also welrefer the same discharges from a servant boy in consequence of a some tohipping. Long and mofound dits of fain time, not unter quently secur in hisom of aurons limiter smeats the consequence of sudden and quat alarms.

Torse in orner by a gentleman of the medical line ; Mr Dove Som South Cardina



on when taracity I sely with the most inchiet consider. that he knew obstante court peter in a come of that is can pletely removed when ale the would remoder and seved isulfectual, to by a sudden and sistent alarmy - persposely included by the phy surving This patient had been attended by other phissicians, when the one in question was considered vis on externy the patients apartement threw off his Coul and sweet that of the patient ded not to a mate that he would kill time. The poor believe levely appropried immediately culled for the Charocher and had a copious directary from the bowels. The suspection of a court hear most ome hersen and parts daily those un windered 1. welney - web spectures not unfrequently prod ace, borneting and our sympathetic feeling are is proceed at in some inflances that in withuping great emotions of grief or fry soe we not unfu

wently expected in a simular minimi.

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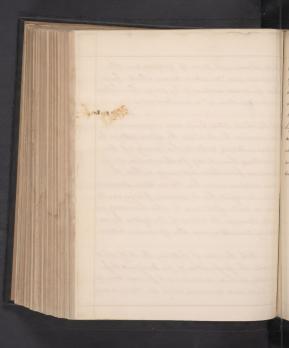


both abound with case of Epileping, and other spanwide and tenristing thereas which have but preduced exclusively by saving their labour under affections of a similar hating.

In addition.

to the above cities facts and conquaents we are induced to attribute, the effects estated by topermentalists asked to the severity of the operations than to any precision action of the madeina from their informing us that the madeina from their infections from the circumstance produces depundent effect that it sometimes purpose sometimes that there is no only you really decauge the action of the system by an early decauge the action of the system by an during conordium, and other spanned is actions.

With the view of Salpling the duty which enjoins the preparation of on magness defentation, we have entercount to present some of the facts and deasing which we concioe very



be address in favour of the sympathitic dectrine of the modern Operands of the imported manning in which the consciousness of the imported manning in which the duty him been executed, we submit the secult of our labour memorate by the submit the secult of our labour memorate by the that the summerous important ment out on the summerous important man and action of many to regarded with that hand a industry was to be interest and labour ment is bestown on the courter productions of manualine intellect.

Wm Hamlin Veryinin

